



42-003-00032

United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

YH
APC4=0
ATP= 00 (notice of protest)
3/28/02

March 28, 2002

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn (3AT23)

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Ward Kelsey, Esq.

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 02-0035
Sulfur Plant
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

R. R. Terza
General Manager
Clairton Works Raw Materials

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 02-0035
2. Date & Time of Breakdown: Date: 03/27/02 Time: 2010 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: Coke Oven Gas was passed through the Sulfur Plant. Water entered and shorted electrical conduit wiring leading to the 600 Unit Claus Plant #1 & #2 Re-Heaters and maxon valve. The spare 400 Unit Claus Plant was unavailable. It is currently out of service to make repairs to the thermal reactor and rehabilitate the sulfur pit under Planned Outage 02-0024.
8. Identification of Emissions:
 - A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the down river gas line system, causing increased SO₂ at point of combustion.
 - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is an eye, nose, and throat irritant.
 - C. Amount of each type emitted (or likely to be emitted).

Chemical	Quantity Released (lbs)
CO	885
NO _x	175
SO ₂	7080
Hydrocarbons	310

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).

The wiring and maxon valve were replaced and the facilities were brought back on line.

10. Facility back in operation - Date: 03/28/02 Time: 0215 hours

Signature

Coleen M. Davis
Coleen M. Davis

Date

4/2/02

Environmental Control Engineer

Phone: 233-1015